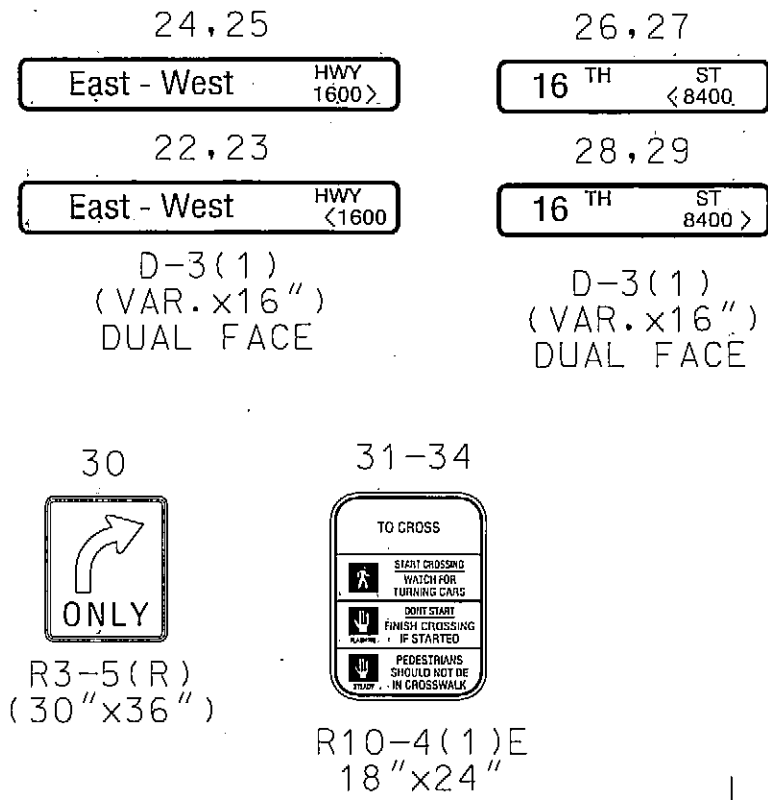


MD 390 IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION

#### EXISTING SIGNS



OVERHEAD  
INTERCONNECT  
TO ROSEMARY AVENUE

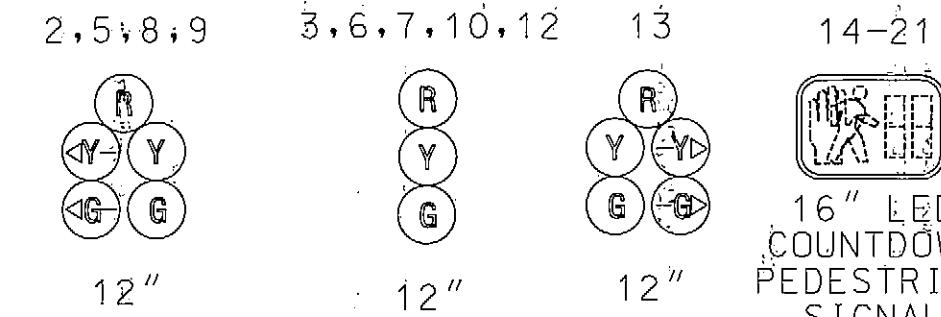
MAST ARM  
CABLE  
TELEPHONE  
TELEPHONE  
GUY WIRE  
SECONDARY  
PRIMARY  
21'-9"  
21'-9"  
24'-0"  
24'-2"  
25'-10"  
31'-1"  
40'+

MAST ARM  
TELEPHONE  
TELEPHONE  
TELEPHONE  
SECONDARY  
PRIMARY  
19'-8"  
19'-10"  
21'-0"  
22'-0"  
27'-3"  
38'-0"

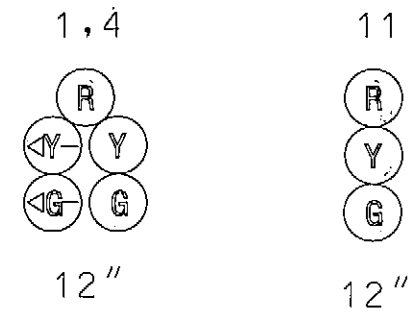
MAST ARM  
GUY WIRE  
CABLE  
SECONDARY  
PRIMARY  
20'-8"  
22'-0"  
22'-8"  
27'-5"  
39'-7"

FIBER  
FIBER  
GUY WIRE  
16'-6"  
22'-0"  
26'-4"

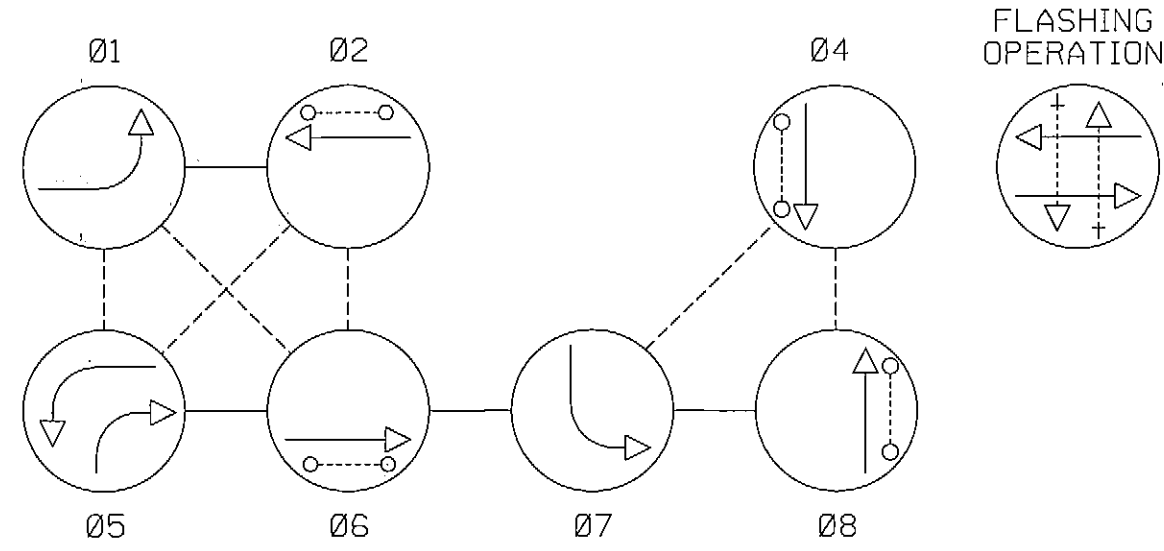
#### EXISTING SIGNALS TO REMAIN



#### EXISTING SIGNALS TO RELOCATE (SHOWN IN FINAL LOCATION)

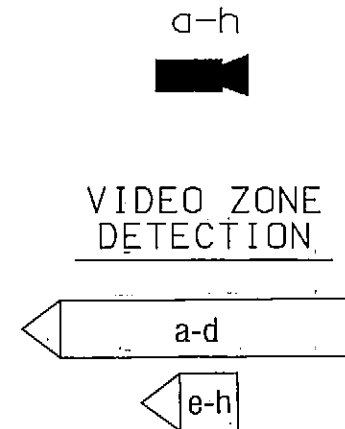


#### NEMA PHASING



NOTE:  
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

#### PROPOSED VIDEO DETECTION CAMERAS



MD 390 (16th Street)

MD 390 (16th Street)

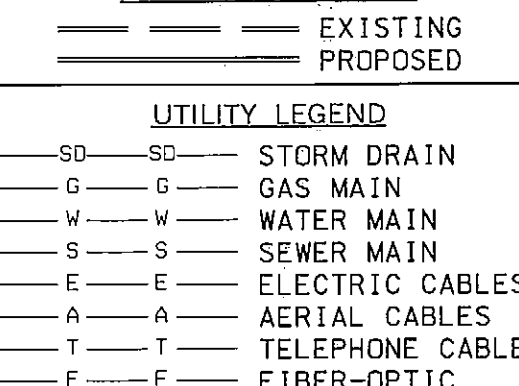
CONSTRUCTION DETAILS

- USE EXISTING CABINET AND CONTROLLER. (NOTE: MONTGOMERY COUNTY FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT).
- USE EXISTING MAST ARM POLE.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- INSTALL OVERHEAD VIDEO DETECTION CAMERA ON EXISTING MAST ARM AS SHOWN.
- ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- CAP AND ABANDON EXISTING CONDUIT.
- REMOVE EXISTING HANDHOLE.
- USE EXISTING MAST ARM POLE. RELOCATE EXISTING NEAR-SIDE SIGNAL HEADS AS SHOWN.

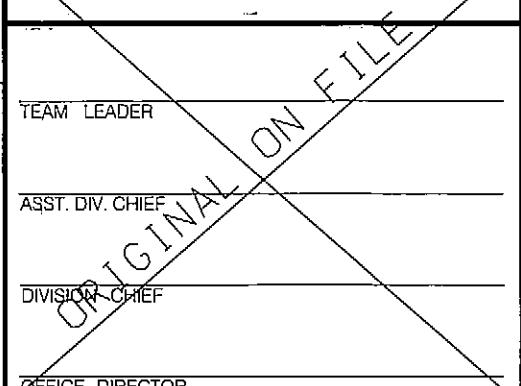
#### GENERAL NOTES

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL CONTACT ROBERT RICKETTS AT MONTGOMERY COUNTY SIGNAL SHOP TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
- RELOCATION OF EXISTING SIGNS SHALL BE MEASURED AND PAID AS ITEM 813015- INSTALL OVERHEAD SIGN.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
- THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
- SEE MAINTENANCE OF TRAFFIC PLANS FOR ADDITIONAL PAVEMENT MARKING DETAILS.
- CALL MONTGOMERY COUNTY TRANSPORTATION MANAGEMENT CENTER (TMC) 72 HOURS PRIOR TO ANY DIGGING TO MARK THE EXISTING TRAFFIC SIGNAL EQUIPMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERING THE SIGNAL CABINET VIDEO INTERFACE EQUIPMENT TO THE MONTGOMERY COUNTY SIGNAL SHOP.
- THE CONTRACTOR SHALL COORDINATE WITH VICTOR GRAFTON FROM DISTRICT 3 UTILITIES TO INSTALL VIDEO DETECTION CAMERAS WHERE OVERHEAD UTILITY CONFLICTS EXIST.

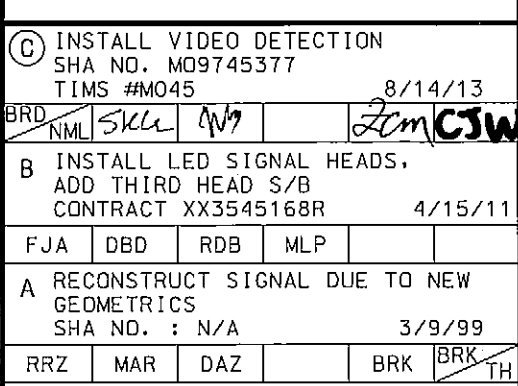
#### GEOMETRIC LEGEND



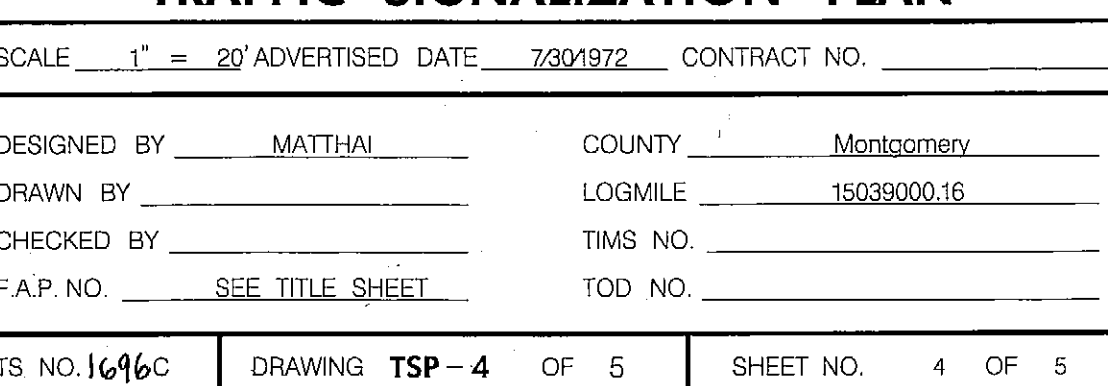
#### APPROVALS



#### REVISIONS



#### TRAFFIC SIGNALIZATION PLAN



**WR&A**  
WHITMAN, REQUARDT  
& ASSOCIATES, LLP  
801 South Caroline Street, Baltimore, Maryland 21231

**SHA**

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 390 (16 TH STREET) AND MD 410 (EAST-WEST HWY)  
Silver Spring, Maryland

PLOTTED: August 14, 2013  
FILE: N:\91651-DIV\CADD\PSG-P004\_md410.dgn